

ABSTRACT

Location data of a subscriber terminal (TE) are maintained by means of intelligent network technique. Signaling between a telephone exchange (EXC) and a PBX is supplemented with extra information including the information on the location of the subscriber TE. A roaming number ROAM# is allocated to a TE moving into the area of a Visited PBX (VPBX). Call setup protocol between the PBX and the EXC is supplemented with an extra packet (EI) supporting the subscriber mobility in such a way that the information on the subscriber's location can be transmitted to a Service Control Point (SCP) of the intelligent network. In connection with location updating, the VPBX informs the intelligent network (SCP) that the TE tries to register to the area of the VPBX. The intelligent network (SCP) checks whether said subscriber has the right to use the services of the VPBX. In case of a call to the TE, the EXC asks the intelligent network (SCP) for the location information of the TE on the basis of the subscriber number of the TE. Subsequently, the EXC establishes a connection with the PBX indicated by the location information, which PBX sets up a call to said TE.